ABSTRACT OF THE DISCLOSURE

A receiver for use in a communications system that employs digitally modulated signals operating in a band of frequencies that is divided into two or more non-overlapping channels, with each channel occupying no more than a predetermined maximum frequency band operates upon a data stream representative of the entire band, with each channel within the band converted to baseband and sampled at twice the symbol rate of the related channel. The receiver equalizes, provides phase and timing correction for each of the channels, cycling through the data related to each channel in sequence, thereby requiring only one the phase recovery, one timing recovery and one equalization circuit for all the channels within the multi-channel band, each of which is re-used for each channel.